Spectrometer (both arms) Proposed Version April 14, 1997

Components/module

Mod #	Module	FlexR	FlexL	DSL	DSS	MSDR	MSDL	MSS3R	MSS3L	MSS4R	MSS4L	T1	T2	T3	T4	T5	
8	**Mod1**	2	2	24	24	2	2					2					Frame 1+2
4	**Mod2**	1	1		32					1	1		4				Frame 3
4	**Mod7-T2**	1	1		24			1	1				3				Frame 4
6	**Mod4-T4**		1		16						1				4		Frame 5+6
12	**Mod4-T5**		1		16						1					4	Frame 7+8
6	**Mod5-T4**		1		12				1						3		Frame 6
28	**Mod5-T5**		1		16						1					3	Frame 7+8
8	**Mod6**	1	1		32					1	1			4			Frame 5+6
8	**Mod7-T3**	1	1		24			1	1					3			Frame 7+8

Total components

Module	FlexR	FlexL	DSL	DSS	MSDR	MSDL	MSS3R	MSS3L	MSS4R	MSS4L	T1	T2	T3	T4	T5
Mod1	16	16	192	192	16	16	0	0	0	0	16	0	0	0	0
Mod2	4	4	0	128	0	0	0	0	4	4	0	16	0	0	0
Mod7-T2	4	4	0	96	0	0	4	4	0	0	0	12	0	0	0
Mod4-T4	0	6	0	96	0	0	0	0	0	6	0	0	0	24	0
Mod4-T5	0	12	0	192	0	0	0	0	0	12	0	0	0	0	48
Mod5-T4	0	6	0	72	0	0	0	6	0	0	0	0	0	18	0
Mod5-T5	0	28	0	448	0	0	0	0	0	28	0	0	0	0	84
Mod6	8	8	0	256	0	0	0	0	8	8	0	0	32	0	0
Mod7-T3	8	8	0	192	0	0	8	8	0	0	0	0	24	0	0
Total	**40**	**92**	**192**	**1672**	**16**	**16**	**12**	**18**	**12**	**58**	**16**	**28**	**56**	**42**	**132**

Flexcable:	132	DS:	1864	MS:	132	Sensors:	274
		ch/DS	64			channel:	119296

Remark1 : Frame 4: single-sensor module (mod3) + 2 Mod2 replaced by 4 new modules of type Mod7 with T2 sensors
-> 2 Types of M substrates less (MSS1R and MSS1L), 6 instead of 5 sensors

Remark2 : Frame 5: remove Mod8 by using Mod 6
-> 1 module type less, no mixing of sensor types on modules, no partially assembled MS, higher granularity, slightly more channels